

Title (en)
UPFLOW ELECTROCHEMICAL COAGULATION REACTOR AND METHOD OF REMOVING CONTAMINANT FROM WASTEWATER USING SAME

Title (de)
ELEKTROCHEMISCHER AUFWÄRTSFLUSS-GERINNUNGSREAKTOR UND VERFAHREN ZUR ENTFERNUNG VON VERUNREINIGUNGEN AUS ABWASSER DAMIT

Title (fr)
RÉACTEUR DE COAGULATION ÉLECTROCHIMIQUE À ÉCOULEMENT ASCENDANT ET PROCÉDÉ D'ÉLIMINATION DE CONTAMINANT D'EAUX USÉES L'UTILISANT

Publication
EP 4365141 A1 20240508 (EN)

Application
EP 23199990 A 20230927

Priority
KR 20220144442 A 20221102

Abstract (en)
The present invention relates to an upflow electrochemical coagulation reactor for power-efficiently removing low-concentration contaminants present in wastewater.

IPC 8 full level
C02F 1/463 (2023.01); **C02F 1/461** (2023.01)

CPC (source: EP KR US)
C02F 1/46109 (2013.01 - KR US); **C02F 1/463** (2013.01 - EP KR US); **C02F 2001/46123** (2013.01 - EP US); **C02F 2001/46133** (2013.01 - EP KR US); **C02F 2101/105** (2013.01 - US); **C02F 2101/20** (2013.01 - US); **C02F 2101/30** (2013.01 - US); **C02F 2201/46115** (2013.01 - US); **C02F 2201/4612** (2013.01 - US); **C02F 2201/46135** (2013.01 - KR)

Citation (search report)

- [I] US 2019330086 A1 20191031 - STEPHENSON ROBERT JOHN [CA], et al
- [I] WO 2016005662 A1 20160114 - MODUMINE OY [FI]
- [A] CN 114394665 A 20220426 - SOUTHWEST TRAFFIC UNIV
- [A] RU 2043307 C1 19950910 - KH SOVMESTNOGO SOVETSKO AMERIK [UA]
- [A] SE 453825 B 19880307 - KH POLT I IM V I LENINA [SU], et al

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
EP 4365141 A1 20240508; JP 2024066985 A 20240516; KR 20240062666 A 20240509; US 2024140835 A1 20240502

DOCDB simple family (application)
EP 23199990 A 20230927; JP 2023147630 A 20230912; KR 20220144442 A 20221102; US 202318478884 A 20230929